Algebra (review of one unknown, multiple, consecutive integers)

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

**Algebra Review**  
(Answer ID # 0379839)

**Complete.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1. | The sum of two numbers is forty-six. Their difference is twelve. What are the numbers? | | |  |  | | --- | --- | | 2. | 8,000 and 700,000 added to a number is 1,531,669. What is the number? | |
| |  |  | | --- | --- | | 3. | The sum of two consecutive integers is -7,171. What are the integers? | | |  |  | | --- | --- | | 4. | A number is five times as large as another number. Seven times the smaller number is thirty-six more than the smaller number. What are the numbers? | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 5. | There are four consecutive even integers. The sum of the second and third numbers is 174. What are the integers? | | |  |  | | --- | --- | | 6. | One-sixth of a number, increased by 70 is 84. What is the number? | |
| |  |  | | --- | --- | | 7. | The sum of two numbers is eighty-one. Their difference is twenty-five. What are the numbers? | | |  |  | | --- | --- | | 8. | 56.23 less than 10 times a number is 54.77. What is the number? | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 9. | There are three consecutive odd integers. Half the sum of the first and third numbers is 46. What are the integers? | | |  |  | | --- | --- | | 10. | The sum of a number and 1/2 is 9/10. What is the number? | |
| |  |  | | --- | --- | | 11. | What are two consecutive odd integers, such that seven times the smaller minus four times the larger is 163? | | |  |  | | --- | --- | | 12. | One number is one hundred thirty-three less than eight times another number. If each number were multiplied by four, their difference would be 140. What are the numbers? | |

|  |
| --- |
| **Answer Key 0379839** |

|  |  |
| --- | --- |
| **1** | 17 and 29 |
| **2** | 823,669 |
| **3** | -3586 and -3585 |
| **4** | 6 and 30 |
| **5** | 84, 86, 88, and 90 |
| **6** | 84 |
| **7** | 28 and 53 |
| **8** | 11.1 |
| **9** | 44, 46, and 48 |
| **10** | 2/5 |
| **11** | 57 and 59 |
| **12** | 24 and 59 |